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7. (Amended) Process according to claim 6,

characterized in that a reporter gene leading to a visually detectable signal upon expression is used.

9. (Amended) Process according to claim 1,

characterized in that the vector contains an inducible promoter driving the expression of random nucleic acid and marker gene.

10. (Amended) Process for the identification and/or production of a protein that is localized in a given subcellular localization,

characterized in that a nucleic acid coding for a polypeptide or part thereof driving the localization in said given subcellular localization is cloned according to claim 1 and the nucleic acid is used to detect DNA sequences coding for a protein containing such polypeptide or part thereof.

12. (Amended) Process for directing the subcellular localization of a nucleic acid expression product,

characterized in that a polypeptide driving the localization of a protein containing such polypeptide or part thereof is detected, its nucleic acid sequence is obtained by a process according to claim 1, the nucleic acid coding for the polypeptide or part thereof is fused to a nucleic acid coding for a protein to be expressed, and the fusion product is expressed.

15. (Amended) Process according to claim 12,

characterized in that the fusion product contains a proteolytic cleavage site between the protein to be expressed and the polypeptide or part thereof and/or reporter gene product.

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CON⁴.
16. (Amended) Use of a polypeptide or part thereof, which drives the subcellular localization of a protein containing such polypeptide or part thereof, and which is detected and/or cloned according to claim 1 in a vector for the expression of a desired protein wherein the vector contains a specific site into which a DNA encoding said desired protein can be inserted,

characterized in that the vector further comprises a DNA sequence encoding a polypeptide or a part thereof which drives the subcellular localization of a protein containing such polypeptide or part thereof, which DNA sequence is positioned in such a way that a fusion protein of desired protein and polypeptide or part thereof is encoded.

AB
18. (Amended) Vector according to claim 16,

characterized in that the vector further comprises a reporter gene positioned in such a way that a fusion protein of desired protein and polypeptide or part thereof and reporter gene product is encoded.

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20. (Amended) Vector according to claim 16,

characterized in that the vector further contains sequences encoding proteolytic cleavage sites between one or more of the constituents of the fusion protein.

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21. (Amended) Cell line,

characterized in that it is transfected with a vector according to claim 16, encoding a fusion protein of at least a polypeptide or part thereof driving the localization to a given subcellular localization and a desired protein.

22. (Amended) Kit for the expression of a desired protein in a desired localization of a host cell,

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CDW4
characterized in that it contains a vector according to claim 16 optionally together with other components and/or buffers for the protein expression.

Please add the following claim:

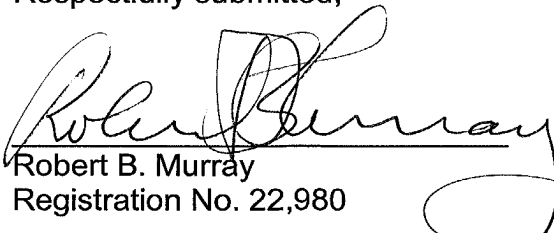
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--24. Kit for the expression of a desired protein in a desired localization of a host cell,

characterized in that it contains a cell line according to claim 21 optionally together with other components and/or buffers for the protein expression.--

REMARKS

Claims 1-23 are pending in this application. By this Amendment, claims 3, 4, 5, 7, 9, 10, 12, 15, 18, 20, 21, and 22 are amended to correct the multiple dependency thereof and claim 24 has been added to place this application into better condition for examination. No new matter is added.

Respectfully submitted,


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